

Algebra 1 Part 2P Pacing Guide – Ms. Cash B102

3rd Quarter:

Chapter 6: The Coordinate System (SOL's: A.1, A.2, A.3, A.5, A.6, A.7, A.8, A.15, A.16, A.17, A18)

- Slope using rise over run and the slope formula
- Positive, Negative, Zero, and Undefined Slope
- The difference between horizontal and vertical line slopes and their graphs
- Graphing Equations using the table menu
- Linear Equations in slope-intercept form
- Graphing linear equations using the table menu
- Converting to Slope-Intercept Form
- Graphing Slope-intercept form

Chapter 7: Linear Equations(SOL's: A.1, A.2, A.3, A.5, A.6, A.7, A.8, A.15, A.16, A.17, A18)

- Standard Form & identifying A, B, and C
- Writing Equations of Lines in Slope-Intercept Form When Given a Graph
- Getting rid of fractions by multiplying by the largest denominator
- Identifying x and y intercepts (to get y-intercept get in slope-intercept form, to find x-intercept set $y = 0$ & solve)
- Converting from Slope-Intercept to Standard Form & vice versa
- Finding Any Form Of A Linear Equation When Given 2 Points or a Graph
- Writing linear equations given 2 points
- Writing linear equations given a graph
- Direct Variation Equation
- Solving Direct Variation Word Problems By Setting Up Proportions
- Constant Of Variation = Slope
- Graphing Direct Variation Equations (They Always Go Through The Origin)
- Real Life Direct Variation Word Problems
- Graphing Linear Inequalities On A Graphing Calculator (know when line is solid/dotted & which side to shade)

Chapter 8: Solving Systems of Linear Equations and Inequalities (SOL's:A.3, A.6, A.9)

- Graphing Systems of Equations Using A Calculator (graphing menu-GSolve)
- Solving Systems of Equations Using The Equations Menu On Graphing Calculator (Equations/Simultaneous Menu)
- Solving System Of Equations Word Problems (Define Variables/Set Up By Hand/Solve On Calculator)

Chapter 9: Special Lines & Systems

- Line of best fit
- Making linear tables when given an equation
- Using Linear tables to predict missing y values
- System of Equations Word Problems (Using equations menu – simultaneous equations)
- Simplifying Radical expressions involving variables
- Parallel & Perpendicular Slopes & their equations

4th Quarter:

Chapter 10 (J): Linear Inequalities

- Graphing Linear Inequalities on a calculator
- Graphing Systems of Inequalities

Chapter 11 (K): Quadratics

- Parabolas
- Graphing Parabolas
- Roots of Parabolas
- Axis of Symmetry
- Vertex of Parabolas
- Maximum & Minimum of Parabolas

Chapter 12 (L): Monomials & Polynomials

- Exponents
- Multiplying Monomials
- Dividing Monomials
- Powers of Monomials
- Negative Exponents
- Expressions in Scientific Notation
- Adding & Subtracting Like Terms
- Perimeter of simple geometric shapes involving variables
- Adding & Subtracting Polynomials
- Simplifying Expressions involving the Distributive Property
- Multiplying Binomials (FOIL)
- Multiplying Polynomials

SOL Review (4-6 Weeks)

- Virginia SOL Coach Books
- Take Released Tests & Go Over
- Take Practice Plain English Test & Go over
- Review Commonly Missed SOL Questions Power-Point Released by VDOE
- While Reviewing SOL Material Make a note of things classes struggle with and re-teach

Expectations:

1. Manners are Important, Don't be rude:

- No food** in the classroom, unless it is a medical necessity.
- Drinks with screw top lids are allowed. If drinks are spilled, **students clean up their own mess. NO CANNED DRINKS!**
- Students are to be respectful to themselves, other students, and teachers.
- All cell phones, iPods, and other electronic devices must be turned off in the classroom. (If you have one of these items and it goes off, or you use it in class, it will be turned in to an administrator)
- Book bags must be kept out of the aisles. Put them in the back of the room, or under your desk.

2. Work Completion Policy:

- Homework must be completed daily (if not finished in class, it must be completed at home). Late work will receive partial credit. Any Student who has not completed homework on a regular basis, **will NOT be eligible for any curve on the exam.**
- Missing work lists will be given to students at the end of each chapter with a dead-line for completing that work. All assignments listed **MUST** be turned in by the dead-line in order to receive partial credit.
- There is no free time in Algebra 2. After learning new material or going over homework, students will be working on assignments until the class is dismissed. Students will not line up at the door prior to the bell ringing.
- All students are required to complete all assignments, if they do not, the student could earn an incomplete for the marking period until assignments are completed **and** turned in. Missing work will affect participation **and** homework averages.

3. Augusta County dress code will apply, please review the dress code with your student.

4. Attendance:

- a. Students are expected to report to class on time. If a student is tardy, they must present a pass from another teacher or staff member. If they cannot produce a valid pass, they will be marked as unexcused. A student with 4 unexcused tardy slips will be referred to administration.
- b. Students are to remain in the room the entire class block, and are expected to take care of personal needs (bathroom, water, locker) **before** arriving to class.

5. Makeup Work Policy:

- a. After an excused absence, all assignments must be completed within three school days.
- b. If a student is aware of an absence ahead of time, they should get all assignments **before** the absence. **Students need to give me at least a week's notice for extended absences (3 or more days).**
- c. All assignments will be posted on the wall of the classroom, along with copies of missed worksheets & notes. The student will be responsible for picking up and completing missed work.
- d. I will work with students when absent for a test or quiz. Students may be required to come in before or after school, which will be determined on an individual basis. Students who are absent on the original day a test or quiz was given are **ineligible** for a "curved grade" or **extra points**.

Augusta County Grading Scale:

A+ 98-100	B+ 88-89	C+ 78-79	D+ 68-69	F 0-59
A 92-97	B 82-87	C 72-77	D 62-67	
A- 90-91	B- 80-81	C- 70-71	D- 60-61	

Marking Period Grade Averages:

Your grade for the marking period is based on several things:

- 50% Major Assessments (Tests/Projects)
- 40% Minor Assessments (Quizzes)
- 10% Homework/Class work/Participation

(This is an Augusta County Schools Policy)

Class participation consists of attendance, homework completion, and actively participating in daily activities which may include coming up to the board to do a problem, or answering questions when called upon.

Expectations for Teachers and Students with Lab Devices

- Teachers will closely monitor all students' use of devices
- Teachers will have a list of students assigned to each numbered device in each class
- Users are responsible for proper use of devices
- Devices must be carried with both hands
- Users must keep devices within sight of teacher (not carried in book bags or desks)
- Users must keep keys in proper locations, removing keys and switching keys will result in loss of privileges to use devices
- Users may only connect something into a port on device with teacher permission
- Users report any problems immediately to teacher
- Users save their work and shut down device when finished; make sure the screen is black
- Teachers will return devices to the cart in the correctly-numbered slots in the cart
- Teachers will ensure that all cables are arranged neatly in carts
- Teachers will ensure that carts are locked and secure
- Teachers will return the lab cart to the proper storage location before they leave school for the day
- Use only dry microfiber cloth to clean screens

If you have questions or concerns I can be contacted via email: tscash@augusta.k12.va.us, or by phone: 337-1921

The Augusta County School Board does not discriminate on the basis of race, color, national origin, religion, age, disability, or gender in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquires regarding non-discrimination policies:

Title IX Coordinator

Section 504 Coordinator

Jill Martin

Douglas W. Shifflett, Jr., Ed.D.

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Asst. Superintendent for Administration

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